Index of Claims



Application No.

10/762,320

Examiner

John M Petruncio

Applicant(s)

COSTAGLIOLA, ANIELLO

Art Unit

1751

√ Rejected
= Allowed

\_ (Through numeral)
Cancelled

Restricted

N Non-Elected
I Interference

A Appeal
O Objected

| Cla      | aim      |  |                 |          | [        | Date     | e                      |                 |          |           | Cla             | aim      |              |          |                |                         | ate      |          |  |         | ]::::: | CI       | aim      |               |              |  | Date     | е                  |          |   |
|----------|----------|--|-----------------|----------|----------|----------|------------------------|-----------------|----------|-----------|-----------------|----------|--------------|----------|----------------|-------------------------|----------|----------|--|---------|--------|----------|----------|---------------|--------------|--|----------|--------------------|----------|---|
|          |          |  | $\prod$         | $\Box$   |          |          |                        |                 |          |           |                 |          |              |          |                |                         | T        | Т        |  |         | 1      |          | , i      |               | Τ            | T  | T        |                    | T        | Т   |
| <u></u>  | Original | 15   |                 |          |          |          |                        |                 |          |           | ल               | Original |              |          |                |                         |          |          |  | 1       |        | क        | Original |               |              |  |          |                    |          |   |
| Final    | j.       | 1  |                 |          |          |          |                        |                 |          |           | Final           | rigi     |              |          |                |                         |          |          | 1  | 1       | l      | Final    | rigi     |               |              |  |          |                    | - 1      |   |
| _        | 0        | 3/1  | 1               |          |          |          |                        |                 |          |           | _               | Ō        |              |          |                |                         |          |          |  |         |        | _        | ō        |               |              |  |          |                    | - [      |   |
|          | 1        | -  |                 | -        |          | $\vdash$ | $\vdash$               | $\vdash \vdash$ |          |           |                 | 51       |              | Н        | -              | $\dashv$                | $\dashv$ | -+       | +  | +       | l      |          | 101      | $\vdash$      | +            | <del> </del>                                     |          | $\vdash$           | $\dashv$ | +   |
| H-       | 2        | 7  | -               | $\dashv$ |          | $\vdash$ | H                      | -               | $\vdash$ |           | <b></b>         | 52       | $\vdash$     | $\vdash$ | $\dashv$       |                         | $\dashv$ | +        | -†-  | +       | 1      |          | 102      | $\vdash$      | +-           | +  |          | $\vdash$           | $\dashv$ | +   |
| $\vdash$ | 3        | H  | $\vdash$        | $\dashv$ | -        | <u> </u> | ┼╌┤                    | $\vdash$        |          |           |                 | 53       | <del> </del> | Н        | $\dashv$       | $\dashv$                | +        | $\dashv$ | +  | +       | 1      | <u> </u> | 102      | -             | +            | -  | -        | $\vdash \vdash$    | $\dashv$ | -   |
|          | 4        | H  |                 | -        |          |          | H                      |                 |          |           |                 | 54       |              | Н        | $\dashv$       | $\dashv$                | -        | +        | +  | +       | 1      |          |          |               |              |  | -        | $\vdash$           | -+       |   |
|          | 5        | Н  | ┨               | $\dashv$ | -        | -        | Н                      |                 |          |           |                 | 55       | H            |          | $\dashv$       |                         | $\dashv$ | $\dashv$ | +  |         |        |          | 104      |               | -            |  | <u> </u> |                    |          |   |
| $\vdash$ | 6        | H  | $\vdash$        |          | -        | $\vdash$ | H                      | -               |          |           |                 | 56       | $\vdash$     |          |                |                         |          | +        |  |         |        |          | 105      |               | +            |  | _        | Ш                  |          |   |
| $\vdash$ | 7        | $\rightarrow$                                    |                 |          |          |          | -                      |                 |          | _         |                 | 57       | H            |          |                |                         |          | +        |  |         |        |          | 106      | -             | 4            |  | _        | Ш                  |          | -   |
|          | 8        | +  | $\vdash$        | -        |          | -        | Н                      | Н               |          |           |                 |          |              |          | $\dashv$       | $\dashv$                | -        | $\dashv$ | +  | +-      |        | ,        | 107      |               |              | 1  | <u> </u> | <u> </u>           | _        | _   |
|          |          | Н  | $\vdash$        | -        | _        |          | Н                      | Н               |          |           |                 | 58       | -            |          | $\dashv$       | -                       | -        |          | +  | +       |        |          | 108      |               | ┷            | <u> </u>   |          |                    |          |   |
| <u> </u> | 9        | 1  | $\vdash$        | -        |          | <u> </u> |                        |                 |          |           |                 | 59       |              |          | -              | -                       | _        |          | +  | _       |        |          | 109      |               | _            | <u> </u>   | ļ        | Ш                  | _        |   |
|          | 10       | 1  | $\vdash$        |          |          | _        | $\vdash \vdash$        | $\vdash$        |          |           | <u> </u>        | 60       | <del> </del> | Н        | $\dashv$       |                         | $\dashv$ | +        | +-   |         |        |          | 110      |               | $\perp$      | lacksquare                                       | _        | Щ                  | _        | $\perp$   |
|          | 11       | 2  | $\vdash$        | 4        |          | ļ        | Н                      |                 |          |           |                 | 61       | <u> </u>     |          | _              | _                       | -        |          | $\perp$  | +-      |        | <b></b>  | 111      |               | $\bot$       | <u> </u>   |          | Ш                  | _        | $\perp$   |
| <u> </u> | 12       | 0  | $\vdash \vdash$ | _        |          |          | Н                      | $\vdash$        |          |           | <u> </u>        | 62       | <u> </u>     | Н        | 4              | _                       | $\dashv$ |          | $\perp$  |         |        |          | 112      |               | $\perp$      | <u> </u>   | L        | Ш                  |          | _ _   |
|          | 13       | 0  | $\sqcup$        | 4        |          | ļ        | Щ                      | $\sqcup$        |          |           | <u> </u>        | 63       | _            |          | _              | _                       |          | $\perp$  | $\bot$   | -       |        | <u></u>  | 113      | $\perp$       | _            | 1_   |          | Ш                  |          | $\perp \!\! \perp$  |
|          | 14       | /  | $\sqcup$        | _        |          | <u> </u> | ļļ                     | Щ               |          |           |                 | 64       | Щ.           | Ш        | _              | ļ                       |          | _        | 1  | _       |        |          | 114      |               | $\perp$      | L  |          |                    |          | $\perp$   |
| $\perp$  | 15       | 1  | $\sqcup$        |          |          |          |                        |                 |          |           |                 | 65       |              |          |                | _                       |          |          | ┸  |         |        |          | 115      |               |              |  |          | Ш                  |          |   |
|          | 16       | Ш  | Ц               |          |          |          | Ш                      |                 |          |           |                 | 66       | ļ            | Ш        | _              |                         |          |          | 1  |         |        |          | 116      | $\perp \perp$ |              |  | 匚        | Ш                  | $\Box$   | $oldsymbol{\perp}$  |
|          | 17       | Щ  | $\sqcup$        | $\sqcup$ |          |          |                        |                 |          |           |                 | 67       |              | Ш        | [              | [                       |          |          |  |         |        |          | 117      | $\Box \Gamma$ |              |  |          |                    |          |   |
| L        | 18       | ~  | Ш               | [        |          |          |                        | $\coprod$       |          |           |                 | 68       |              |          | [              |                         |          | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |         |        |          | 118      |               | $oxed{\Box}$ |  |          |                    |          | $\top$  |
|          | 19       | 2  |                 |          |          |          |                        |                 |          |           |                 | 69       |              |          |                |                         |          |          |  |         |        |          | 119      |               | T            |  |          |                    |          |   |
|          | 20       | ~  |                 |          |          |          |                        |                 |          |           |                 | 70       |              |          | $\neg$         |                         |          |          |  |         | ]      |          | 120      |               | $\top$       | 1  | Ι        | Ħ                  |          | $\top$  |
|          | 21       |  | П               |          |          |          |                        |                 |          |           |                 | 71       |              |          |                | $\exists$               | T        |          | 1  | 1       | l      |          | 121      | o             | $\top$       | T  |          | H                  |          | $\top$  |
|          | 22       |  |                 |          |          |          | П                      |                 | $\neg$   |           |                 | 72       |              |          |                |                         | 1        | _        | 1  | 1       |        |          | 122      | $\neg$        | $\top$       | 1  |          | H                  |          |   |
|          | 23       |  | П               | 寸        |          |          | П                      | $\Box$          |          |           |                 | 73       |              |          |                | 一                       | 7        | $\top$   | 1  | 1       |        |          | 123      | $\top$        | +            |  |          | $\vdash$           | $\dashv$ |   |
|          | 24       |  |                 | 寸        |          |          |                        |                 | $\dashv$ |           |                 | 74       |              |          | $\neg \dagger$ | $\dashv$                | 1        | $\top$   | $\top$   | -       |        |          | 124      |               | +            | <del>                                     </del> |          | $\vdash$           | $\dashv$ | +   |
|          | 25       |  | $\sqcap$        | 一        |          |          | П                      | $\Box$          | $\neg$   |           |                 | 75       |              | $\vdash$ | $\dashv$       | $\dashv$                | $\dashv$ | +        | +  | +       |        |          | 125      | _             | +            | t  |          |                    | $\dashv$ | +   |
|          | 26       |  |                 | 寸        |          |          | $\vdash \vdash \vdash$ |                 | $\dashv$ |           |                 | 76       |              | $\vdash$ | _              | $\dashv$                | $\dashv$ | +        | $\top$   | +-      |        |          | 126      | $\dashv$      | +            | +-   | -        | $\vdash$           | $\dashv$ | +   |
|          | 27       |  | $\vdash$        |          |          |          | $\vdash$               |                 | $\dashv$ |           |                 | 77       |              | $\vdash$ | $\dashv$       | $\dashv$                | 十        | +        | +  |         |        |          | 127      | $\dashv$      | +-           | $\vdash$   |          | $\vdash$           | $\dashv$ |   |
|          | 28       |  | H               | _        | T        |          | $\vdash$               | -               | -        |           |                 | 78       | $\vdash$     |          | $\dashv$       | -                       | $\dashv$ | +        | +  | +       |        |          | 128      | -             | +            | t  | $\vdash$ | -                  | $\dashv$ | +   |
|          | 29       |  | $\vdash \vdash$ | $\dashv$ | $\dashv$ |          | $\vdash$               |                 |          |           |                 | 79       | $\vdash$     | $\vdash$ | $\dashv$       | $\dashv$                | $\dashv$ | +        | +  | +       |        |          | 129      | -  -          | +            | +  | $\vdash$ | -                  | $\dashv$ | +   |
|          | 30       |  | $\vdash$        | $\dashv$ | -        | -        | $\vdash$               | $\vdash$        | $\dashv$ |           | $\vdash$        | 80       |              | $\dashv$ | $\dashv$       | $\dashv$                | $\dashv$ | +        | +  | +       |        |          | 130      | +             | +-           | $\vdash$   | $\vdash$ | -                  | +        | -   |
|          | 31       | <del>                                     </del> | $\vdash \vdash$ | $\dashv$ |          |          | -                      | $\dashv$        | $\dashv$ | $\dashv$  | $\vdash$        | 81       |              | $\vdash$ | $\dashv$       | $\dashv$                | $\dashv$ | +        | +  | +       |        |          | 131      |               | +-           | _  | $\vdash$ | -                  | $\dashv$ | +   |
| $\vdash$ | 32       | -  | $\vdash$        | $\dashv$ |          |          | $\vdash$               | $\vdash$        |          | -         | $\vdash$        | 82       |              | $\dashv$ | $\dashv$       | $\dashv$                | $\dashv$ | +        | +  | +       |        |          | 132      |               | +-           | <u> </u>   | $\vdash$ | $\dashv$           | $\dashv$ |   |
|          | 33       | -  | $\vdash$        | -+       |          | _        | $\vdash$               | $\vdash$        | $\dashv$ | -         | $\vdash$        | 83       |              |          | $\dashv$       | $\dashv$                | $\dashv$ | +        | +  | +       |        |          | 133      | -             | +-           | <u> </u>   | $\vdash$ | -                  | $\dashv$ | -   |
| $\vdash$ | 34       | <del>                                     </del> | $\vdash$        |          | -        |          | $\vdash \vdash$        | $\vdash$        |          |           |                 |          | $\vdash$     | $\vdash$ | $\dashv$       | $\dashv$                | $\dashv$ |          | +  | +       |        |          |          | +             | +-           |  | Н        |                    | -        | -   |
| $\vdash$ | 35       | <u> </u>   | $\vdash$        | $\dashv$ |          |          | $\vdash \vdash$        | $\vdash$        | $\dashv$ |           |                 | 84<br>85 | H            |          | $\dashv$       | -                       | $\dashv$ | +        | +  | +       |        | -        | 134      | -             | +            |  | Н        | $\vdash$           |          | +   |
| $\vdash$ | 36       | <u> </u>   | $\vdash$        | $\dashv$ | $\dashv$ |          | $\vdash \vdash$        |                 |          | $\dashv$  |                 |          | $\vdash$     | $\dashv$ | $\dashv$       | -                       | -+       | +        | +  | +       |        |          | 135      | $-\vdash$     | +            |  | Ш        |                    |          | +   |
|          |          |  | $\dashv$        |          | -        |          | $\vdash \vdash$        | $\dashv$        | $\dashv$ |           |                 | 86       | Н            | $\dashv$ |                |                         | $\dashv$ | +        | +  | -       |        |          | 136      | -             | -            | $\vdash$   |          | $\dashv$           | -        | +   |
| $\vdash$ | 37       | <u> </u>   | $\dashv$        |          | $\dashv$ |          | $\vdash \vdash$        | $\dashv$        |          | _         | $\vdash \vdash$ | 87       | $\vdash$     |          | $\dashv$       | -                       | $\dashv$ |          | +-   | +       |        |          | 137      | $\perp$       | 1            | <del> </del>                                     | $\sqcup$ | _                  | _        | $-\!$ |
| <u> </u> | 38       | <u> </u>   | $\vdash \vdash$ | 4        | ,        |          | dash                   | $\dashv$        |          | _         |                 | 88       | Щ            | _        | 4              | _                       |          |          | $\perp$  | $\perp$ |        |          | 138      |               | <del> </del> | $oxed{oxed}$                                     | Ш        | $\Box$             | _        | $\perp$   |
|          | 39       | _  | $\dashv$        | $\dashv$ | _        | _        | $\square$              |                 | _        | _         |                 | 89       | Ш            |          |                | 4                       | _        | _        | - -  | $\perp$ |        |          | 139      |               | 1            | <u> </u>   | Ш        | $\perp \downarrow$ | _        |   |
|          | 40       | <u> </u>   | $\dashv$        | _        | 4        | _        | $\square$              | _               | _        | _         |                 | 90       | Ш            | _        | $\dashv$       | 4                       | _        | 4        | 1  |         |        |          | 140      | $\perp$       | 1_           | $oxed{oxed}$                                     | Ш        |                    | _        |   |
|          | 41       |  | $\sqcup$        | _        | _        | $\Box$   | $\Box$                 | _               | _        |           |                 | 91       | $\sqcup$     |          |                | _                       | 4        |          | _  | Щ,      |        |          | 141      | $\bot$        | 1            |  |          |                    |          |   |
|          | 42       |  | $\Box$          | _        | _        |          |                        |                 | $\perp$  | _         |                 | 92       | Ш            | _        |                | $\perp$                 |          | $\perp$  |  | $\perp$ |        |          | 142      | $\bot$        | <u> </u>     |  |          |                    |          |   |
| $\perp$  | 43       |  | $\sqcup$        |          |          |          | Ш                      |                 | _        |           |                 | 93       | Ш            |          |                | _                       |          | $\perp$  | $\perp$  | $\perp$ |        |          | 143      |               |              |  | I        | [                  | $\Box$   |   |
|          | 44       |  |                 | $\perp$  |          |          |                        |                 |          |           |                 | 94       | Ш            |          |                |                         |          | $\perp$  | $\perp$  |         |        |          | 144      |               | L            |  |          | $\Box$             | $\Box$   |   |
|          | 45       | L  |                 | $\perp$  |          |          |                        |                 |          |           |                 | 95       |              |          |                |                         |          |          |  |         |        | ]        | 145      |               | $\prod$      |  |          |                    | $\Box$   |   |
|          | 46       |  |                 |          |          |          |                        |                 |          |           |                 | 96       |              |          |                | $oldsymbol{\mathbb{J}}$ |          | $\int$   | $oxed{oxed}$   |         |        |          | 146      |               | $I^-$        |  |          | П                  | T        | $\top$  |
|          | 47       |  |                 |          |          |          |                        |                 | $\neg$   | $\neg$    |                 | 97       |              |          |                |                         | T        | T        | T  |         |        |          | 147      |               | T            |  |          | $\neg$             | $\top$   | $\neg$  |
|          | 48       |  |                 | $\top$   |          |          |                        | T               |          | $\exists$ |                 | 98       |              |          | $\neg$         |                         | 7        |          | $\top$   | $\top$  |        |          | 148      |               | T            | П  |          | 1                  | T        | _   |
|          | 49       |  |                 |          | _        |          |                        | $\neg$          | 一        |           |                 | 99       |              | 1        | $\neg$         | $\neg$                  | $\top$   | _        | T  | $\top$  |        |          | 149      | 1             | 1            | П  |          |                    | $\top$   | $\top$  |
|          | 50       |  | $\exists$       | T        | 寸        |          |                        |                 | _        | $\neg$    |                 | 100      |              |          | $\neg$         |                         | _        | 7        | T  | $\top$  |        |          | 150      |               | 1            |  |          | 1                  | 1        |   |
|          |          |  |                 | _        | _        |          |                        |                 |          |           | <br>            |          |              |          |                |                         | _        |          |  |         | 1      |          |          |               |              |  |          |                    |          |   |